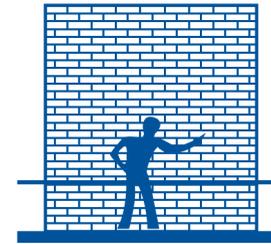


Who We Are

Restoration & Waterproofing Contractors, Inc., specializes in waterproofing, caulking, tuckpointing, epoxy injections, gunite and shotcrete, special coatings, and works on all types of structures including historical building repair.

Restoration & Waterproofing Contractors, Inc., was incorporated as a Kansas based company in 1974 with many of the founding members still active participants in the firm. The president, and two vice presidents and regional managers and other principal employees have approximately 200 years of combined construction experience.

RWC is a member of AGC, S.W.R.I., BOMA, C.S.I. and several local Chamber of Commerce organizations. Our skilled craftsmen are trained and certified as applicators of various materials, and waterproofing systems and methods of specialized repairs. All employees receive extensive training in safety procedures and the proper handling of materials deemed to be hazardous. RWC is an EEO Employer and all employees adhere to the company drug free workplace policy and the company policy regarding substance abuse. The firm is fully bonded and insured.



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MISSOURI, KANSAS, OKLAHOMA, NEBRASKA, IOWA & OTHER MIDWEST STATES.



GUARDIAN

A Restorations & Waterproofing Contractors, Inc. Newsletter
Spring 2011

Kansas State University Nichols Hall Manhattan, KS

Restoration & Waterproofing worked on major stone rehabilitation and restoration at Nichols Hall on the K-State Campus.

The project general contractor is RWC. Joe McIntosh is the foreman.

K-State provided this history of the college's iconic Nichols Hall:

"In addition to being one of the most striking buildings on the Kansas State University campus, Nichols Hall has also one of the most interesting histories.

At the turn of the century, among the needs of the young and growing Kansas State University were those of a livestock pavilion and a gymnasium. As a result of strong lobbying by K.S.U. president E.R. Nichols, money was allocated for a gymnasium, and the building was erected at the south edge of campus in 1910, its cornerstone, marking the event. Since President Nichols had retired in 1909, the gymnasium was christened Nichols Hall.

For its time, Nichols Hall was state-of-the-art: it was one of the first buildings in the nation to have a continuously poured concrete floor - teams of horses mixed the concrete!

Nichols Hall led an active life as the center of the University's recreational activities: the building held two swimming pools (one for males and one for females - swimming classes were integrated only in the 1920s) and the University's basketball court. The gymnasium was also used for official occasions, such a graduation ceremonies.

By 1950, a new athletic building had been constructed, and Nichols Hall became home to the University's radio station, KSDB-FM (the first FM radio station in Kansas), women's physical education, Military Science, and the Music

continued on page 3



Nichols Hall, Kansas State University.



The Guardian Program is our way of helping you to identify problems and maintain your structure. At no cost or obligation to you, we will provide you with a detailed inspection of your building to check for potential problems before they become a serious threat to the value and strength of your building. Our experts know where to look and what to look for to find the signs of potential or current problems. We are trained to determine the most cost effective methods of preserving or restoring your building.

We can help you plan and budget for work, as it needs to be performed in the most cost efficient manner possible.

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- We have experience on all types of structures.**
You can be assured that we have performed work and solved problems in nearly every situation imaginable.
- If you have a problem of any kind, we invite you to contact us. You can be confident we will give you a top quality job at an affordable price.
- We have extensive experience with many structures.
- | | | |
|--|--|--|
| <ul style="list-style-type: none"> • Sprayed Polyurethane Foam • Air Barriers • Balconies • Caulking • Cleaning • Concrete Repairs | <ul style="list-style-type: none"> • Epoxy Injection • Gunite/Shotcrete • Painting • Special Coatings • Tuckpointing • Waterproofing | <ul style="list-style-type: none"> • Brick Buildings • Concrete Buildings • Glass Buildings • Metal Buildings • Parking Garages and more... |
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WORKS IN THE WORKS

Wichita

Haysville Waste Water Treatment Plant
Haysville, KS

Cypress Springs Assisted Living
Wichita, KS

Camp Hyde
Viola, KS

Isley Elementary
Wichita, KS

Topeka

Irwin Army Community Hospital
Ft. Riley, KS

Dick's Sporting Goods
Manhattan, KS

Lindley Hall, University of Kansas
Lawrence, KS

Calvin Hall, Kansas State University
Manhattan, KS

City of Topeka Parking
Garage Repairs
Topeka, KS

Kansas City

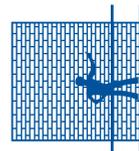
Blue Ridge Crossings
Kansas City, MO

Apache Elementary
Overland Park, KS

Training Support Center
Ft. Leonardwood, MO

Johnson County Parking Garage
Overland Park, KS

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RETURN SERVICE REQUESTED

Department.

Kansas State University Nichols Hall *continued from page 1*

The first life of Nichols Hall met a tragic end the night of Friday, December 13, 1968, when an arsonist stacked wooden tables against the north entrance of the building, poured gasoline on them, and set them ablaze. The fire was discovered about 11:15 p.m., and little could be done; everything in the building was destroyed - a total loss of over half a million dollars. The arsonist was never caught, although it is believed that the fire was a misguided and extreme act related to a week of emotional protests at the University.

In the years that followed, Nichols Hall stood as an empty, neglected shell. A variety of proposals were made: raze the building for a parking lot, build another building in its place, or even use the shell as an outdoor art museum. In 1975, a group of students who were concerned that the building would soon be destroyed formed a coalition that raised \$10,000 toward restoration. The students' campaigning impressed the Kansas Legislature, who funded \$6.2 million to renovate the building. Rebuilding began in 1983.

As a condition of restoration, the original walls of the building were to be left standing in place. When the builders examined the walls, they found them too weak to support a new building, so the construction crew literally built a second, complete building inside the original one. As a result, the new building's window wells were made almost three feet deep, reinforcing



(above) RWC workers at Nichols Hall.

the building's image as a castle. The central area of the building was remodeled into an expansive, glass enclosed lobby, called an atrium, and the ends of the building were converted into classrooms and offices. A modern theatre was also added.

Nichols Hall was reborn on November 16, 1985, when the restored structure was reopened and rededicated. The building's current occupants are the Department of Computing and Information Sciences and the Department of Speech Communications, Theatre and Dance."



(above) A renderings of Blue Valley Middle School.

Blue Valley Middle School Overland Park, KS

At Blue Valley Middle School, 5001 W 163rd Terrace in Overland Park, Restoration & Waterproofing Contractors worked on waterproofing and sealants, as well as restoration.

The project general contractor is Murray & Sons Construction of Topeka. The architect is DLR Group of Overland Park. The foreman is Scott Pankratz of RWC.

April 15 is the substantial completion date for the project.

Northeast K-8 School Bel Aire, KS (Official name TBD)

At the new northeast K-8 school, located at 53rd and North Woodlawn, in Bel Aire, Restoration & Waterproofing Contractors is completing several projects. The new school is being built as part of the USD 259 \$370 million bond issue.

RWC is furnishing and applying air barrier coating, including all accessories, to all concrete masonry units at the exterior walls. RWC is also applying joint sealants at all the important sites, including at precast wall panel joints, at masonry control joints, at the perimeter of louvers, at EFIS and metal wall panels, to flashing at the top of masonry, to the perimeter of hollow metal door frames, and to sidewalks and mow strips, with curb and sidewalk expansion joints also coming in to play when properly sealing this 130,000 square-foot building.

Air and vapor barriers provide protection from infiltration that can have many negative consequences, including reduced thermal comfort, interference with the proper operation of mechanical ventilation systems, degraded indoor air quality, moisture damage of building envelope components and increased energy consumption. RWC applicators have been



(above) Rendering of Northeast Quadrant High School.

Northeast Quadrant High School Bel Aire, KS (Official name TBD)

On the new northeast quadrant high school, at 53rd and North Woodlawn in Bel Aire, Restoration & Waterproofing Contractors will perform dampproofing, waterproofing with fluid applied waterproofing, and application of water repellent and joint sealants.

The new school, in addition to the K-8 school, is being built as part of the USD 259 \$370 million bond issue. The schools will be constructed on 40 acres by the southeast corner of 53rd Street North

and certified by the Air Barrier Association of America (ABAA). Continuing education from various material manufacturers also plays an important role to stay on the leading edge of new materials and application techniques.

According to the Wichita Eagle, the new school is designed to eventually become a middle school as district growth demands. It will feature three classroom wings, a media center/library, 800-seat auditorium, music suites, and a gymnasium that will serve as the safe room/storm shelter. The building is designed so that as demand warrants in the future, a second gym and classroom expansion can be constructed on the site.

The Board of Education is forming a committee to study naming options with the school's boundaries, colors, mascot and other school-related items decided on later.

The project general contractor is Eric Nilges of Walz Harman Huffman Construction, Inc. The architect is Mac McKee of GLMV Architecture, and RWC's foreman David Means.

The expected completion is July 30, 2012, with the school open and ready for students in the fall of 2012.

The University of Kansas Edwards Campus Overland Park, KS

Restoration & Waterproofing Contractors used their new SPF line, part of their vapor barrier program, for work on the new BEST Building at the KU Edwards Campus. They also completed below grade waterproofing on the building.

The BEST (Business, Engineering, Science and Technology) Building will add 75,000 square feet to the KU Edwards Campus, increasing the current campus space by more than 50 percent. Completion of the BEST Building is projected for November.

The BEST Building will house expanding programs in business, engineering, science and technology and include:

- 2 15-seat seminar rooms
- 2 40-seat classrooms
- 8 45-seat classrooms
- 4 65-seat tiered lecture halls
- 1 100-seat tiered lecture hall
- 36 faculty and administrative support offices
- 5 computer labs

The new building will also include a 4,000 square-foot conference center accommodating up to 400 people.

Landscaping and building aesthetics will complement the existing buildings on campus, and parking will be increased to handle a larger student population.

Built to meet LEED certification, the BEST Building will be 30 percent more energy efficient than Regnier Hall, another building on campus. Teaching labs in the new building will provide space for 30, 60 or 90 student stations to meet a growing

St. Catherine of Siena Parish Wichita, KS

Restoration & Waterproofing Contractors is working on bituminous damp proofing of the concrete block and extensive caulking on the St. Catherine of Siena Parish at 7335 West 33rd Street North, near 37th and Ridge Road in Wichita, part of the Catholic Diocese of Wichita.

RWC's work on the new church facility began in August 2010. According to the Wichita Business Journal, St. Catherine is building permanent facilities to replace an office building near 33rd and Ridge that it converted to a temporary church.

The Wichita Business Journal reported that this northwest Wichita church's \$6-7 million expansion will include a phase one with a temporary 800-seat church, four classrooms, office space and a parish

demand to provide hands-on technology experience in Edwards Campus degree programs. The project general contractor is McPherson Contractors, Inc., of Topeka. The architect is Gould Evans of Lawrence. RWC's foreman is Shane Peden.

SPF line added to Air Vapor Barrier Program RWC works toward energy efficiency

Energy efficiency is the keystone to Restoration & Waterproofing Contractors involvement in the air vapor barrier building science industry.

With this in mind, RWC has a new line that they've added to their air vapor barrier program. This new line is called SPF, short for sprayed polyurethane foam.



(above) SPF at work.

SPF is a spray-applied insulating foam plastic that is installed as a liquid and then expands many times its original size. Spray polyurethane foam can be adjusted and have many different physical properties depending on the use desired. For example, the same basic raw materials that can make insulation foam semi-rigid and soft to the touch also create high density foam that is resistant to foot traffic and water.

Specialized equipment is used to apply the spray polyurethane foam and proper technical training is important in order to get the best results. SPF makes a great air barrier, as it eliminates air infiltration and helps control moisture and condensation.



(above) Work in process at St. Catherine of Siena Parish.

hall in a 30,000-square-foot building. Future phases will include a 1,200-seat church and a K-8 school for 500 students.

The project general contractor is Simpson & Associates Construction Services. The architect is GLMV Architecture, and RWC's foreman is Wendell Chapman.